

subroutine top

```
⋮  
call init  
⋮  
call cost
```

do i=1,t

```
⋮  
call newState  
⋮  
call cost  
⋮
```

end do

```
⋮  
call finalCost
```

end subroutine

subroutine init

subroutine cost

⋮

⋮

⋮